

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in this Application:

**Listing of Claims:**

1. – 12. (Canceled).

13. (Currently amended) ~~The light guide plate claimed in claim 11~~ A light guide plate characterized in comprising:

a transparent plate having light-transmitting characteristics;

a first snaking pattern of grooves formed on said transparent plate; and

a second pattern of grooves that is formed to intersect or contact with said first pattern of grooves on said surface, said second pattern of grooves is formed in a snaking pattern;

wherein the light that passes through said transparent plate is reflected by said first pattern of grooves and said second pattern of grooves;

characterized in that said first pattern of grooves and said second pattern of grooves intersect or contact with each other as a result of having said first pattern of grooves' and said second pattern of grooves' translating directions are set substantially parallel to each other and their snaking phases are set different from each other.

14. (Previously presented) he light guide plate claimed in claim 13 characterized in that the difference of the snaking phases of said first pattern of grooves and said second pattern of grooves is set to approximately 180 degrees.

15. (Canceled).

16. (Currently amended) The light guide plate claimed in claim ~~40-13~~ wherein a plurality of said first pattern of grooves and a plurality of said second pattern of grooves are formed.

17. (Currently amended) The light guide plate claimed in claim ~~46-13~~ characterized in having said first pattern of grooves snakes partly in a curvilinear form.

18. (Currently amended) A light guide plate claimed in claim ~~40-13~~ characterized in having said first pattern of grooves snaking substantially in a sinusoidal form.

19. (Currently amended) The light guide plate claimed in claim ~~40-13~~ characterized

in having said first pattern of grooves snaking in a form of straight line segments combined noncontiguously.

20. (Currently amended) The light guide plate claimed in claim ~~10~~13 characterized in having hexagonal areas surrounded by said first and second patterns of grooves that are intersecting or contacting with each other.

21. (Currently amended) A light source apparatus characterized in comprising: a light guide plate claimed in claim ~~10~~13; and

a light source disposed on said light guide plate's edge, wherein said groove with the V-shaped cross section reflects light emitted by said light source into said light guide plate's inside so that said light guide plate radiates the light outside.

22. (Previously presented) A liquid crystal display device characterized in comprising: a light source apparatus claimed in claim 21; and

a liquid crystal panel disposed in parallel with said light guide plate.

23. (Canceled).